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NPIC/R-1480/63  
September 1963

PHOTOGRAPHIC INTERPRETATION REPORT

MISSION COVERAGE INDEX  
MISSION 6066  
11 AUGUST 1963

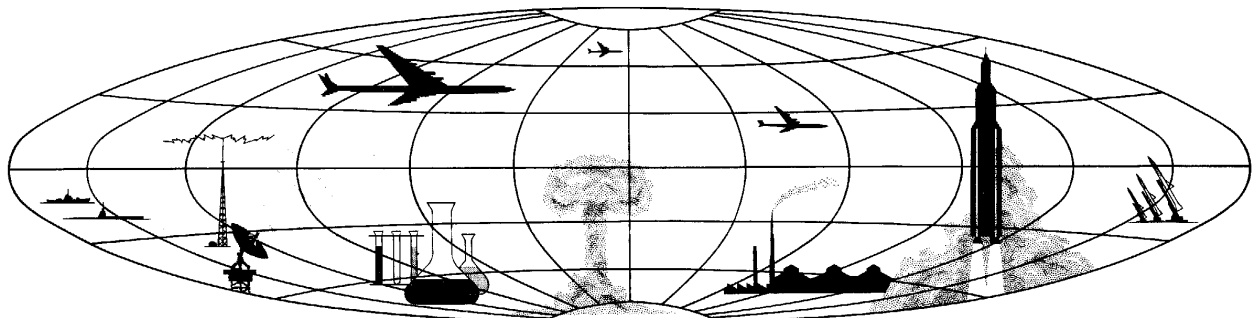


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WARNING

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## PREFACE

This is a COLD TALE report. Personnel receiving this report are cautioned that a strict need-to-know principle applies.

This Mission Coverage Index (MCI) lists targets of intelligence interest in China and North Vietnam covered by aerial photographic material from Mission 6066, dated 11 August 1963. A target description, based on photographic interpretation, is included for each target, except for those in which no significant change was observed.

Targets are arranged by 1) country, 2) within a country by subject, 3) within a subject by WAC area, and 4) within a WAC area by coordinates reading from south to north and from west to east. Column headings, photo reference data, and symbols indicating conditions which affect the appearance of the target on the photography are explained in the appendix. For the convenience of the recipient, a subject index has been included listing targets 1) by category, 2) by country within the category, and 3) alphabetically by place name within the country.

The recipient of this MCI is cautioned that the scan of photography from Mission 6066 was accomplished in a relatively short time and often without the aid of precise analytical and mensural equipment commonly employed in detailed photographic analysis. Consequently, although the information is essentially accurate, it may be altered somewhat by additional detailed analysis.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>-CHINA-</p> <p><u>AIR INSTALLATIONS</u></p> <p>SAN-YA AIRFIELD 3.7 NM NW OF SAN-YA. APPROXIMATELY 4,700 X 200 FT NE/SW PROBABLE CONCRETE RUNWAY, UNSERVICEABLE, AND APPROXIMATELY 3,400 X 160 FT NW/SE PROBABLE CONCRETE RUNWAY, UNSERVICEABLE. AIRFIELD APPEARS OVERGROWN WITH VEGETATION AND ABANDONED. AIRCRAFT -- NONE OBSERVED.</p> <p>LING-SHUI AIRFIELD 2.9 NM WEST OF LING-SHUI. APPROXIMATELY 8,200 X 250 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE. FACILITIES INCLUDE PARALLEL TAXIWAY, 3 PARKING APRONS, 2 ALERT APRONS, MEDIUM-SIZED HANGAR, AND OPERATIONS BUILDING. AIRCRAFT -- NONE OBSERVED.</p> <p><u>MILITARY/NAVAL INSTALLATIONS</u></p> <p>SAN-YA AREA, DEFENSE POSITIONS 2.5 NM SW OF SAN YA. SEVENTEEN BARRACKS AND SEVERAL SUPPORT BUILDINGS OBSERVED IN AREA. NO ACTIVITY OBSERVED.</p>	1817N 10927E	0618		5
	1830N 10959E	0618		2-A
	1812N 10929E	0618		5-C

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City, Installation	Coordinates	WAC	Installation Numbers	
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<u>URBAN COMPLEXES</u>				
YU-LIN COMPLEX COMPLEX, ON SOUTH COAST OF HAINAN ISLAND, INCLUDES NAVAL BASE AND 2 COMMERCIAL HARBORS. VESSELS -- 2 SMALL PROBABLE COMBATANTS, NUMEROUS SMALL CRAFT AT QUAY, AND ONE MEDIUM AND 2 SMALL UNIDENTIFIED VESSELS IN HARBOR. <div></div>	1814N 10930E	0618	<div></div>	9
-NORTH VIETNAM-				
<u>AIR INSTALLATIONS</u>				
DO SON AIRFIELD .2 NM SW OF DO SON. 3,600 X 150 FT NNE/SSW SOD RUNWAY, UNSERVICEABLE. VEGETATION AND HOLES OBSERVED ON RUNWAY. FACILITIES INCLUDE LARGE HANGAR, 4 BARRACKS, AND SEVERAL SUPPORT BUILDINGS. AIRCRAFT -- NONE OBSERVED. <div></div>	2042N 10648E	0616		106
HAIPHONG/KIEN AN AIRFIELD 5 NM SW OF HAIPHONG. 5,900 X 80 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. AIRCRAFT -- NONE OBSERVED. <div></div>	2048N 10636E	0616		111
HAIPHONG/CAT BI AIRFIELD 3 NM SE OF HAIPHONG.	2049N 10643E	0616		110

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<p>7,700 X 190 FT ENE/WSW CONCRETE/ASPHALT RUNWAY, SERVICEABLE. FORMER NNW/SSE CONCRETE RUNWAY NO LONGER SERVICEABLE, BUT 2,500 X 150 FT SEGMENT IN USE AS PARKING APRON. AIRCRAFT -- 7 COLT, ONE CAB, 2 HOUND, AND ONE POSSIBLE HOUND.</p>				
<p>NGHIA LO AIRFIELD SW EDGE OF NGHIA LO. 2,840 X 140 FT NE/SW GRADED EARTH RUNWAY, SERVICEABLE. NO FACILITIES OBSERVED. AIRCRAFT -- NONE OBSERVED. (MISSION 6066 SITSUM, 11 AUG 63, ERRONEOUSLY REPORTED AIRFIELD LOCATION AS NORTH EDGE OF NGHIA LO, RUNWAY ORIENTATION AS NNW/SSE, AND POSSIBLE TERMINAL BUILDING AT NNW END OF RUNWAY.)</p>	2136N 10430E	0616		133-A
<p>HANOI/GIA LAM AIRFIELD IDENTIFICATION ONLY DUE TO HEAVY CLOUDS.</p>	2102N 10553E	0616		114
<p>PHUC YEN AREA, AIRFIELD .7 NM ESE OF PHUC YEN AT UTM COORDINATES WJ842463. 8,720 X 190 FT WNW/ESE NEWLY CONSTRUCTED CONCRETE RUNWAY, PROBABLY SERVICEABLE. FACILITIES UNDER CONSTRUCTION INCLUDE PARALLEL TAXIWAY, 5 CROSSOVER LINKS, 4 PARKING APRONS, AND APPROXIMATELY 120 BARRACKS/STORAGE/ SUPPORT-TYPE BUILDINGS.</p>	2113N 10548E	0616		326-C



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<p>AIRCRAFT -- NONE OBSERVED.</p> <p>[REDACTED]</p> <p>TUYEN QUANG, AIRFIELD</p> <p>APPROXIMATELY 3 NM SSE OF TUYEN QUANG.</p> <p>APPROXIMATELY 2,100 X 100 FT NW/SE SOD RUNWAY, UNSERVICEABLE.</p> <p>EXTENSIVE DRAINAGE TRENCHES AND TRAILS OBSERVED ACROSS RUNWAY. NO ACTIVITY APPARENT.</p> <p>AIRCRAFT -- NONE OBSERVED.</p> <p>[REDACTED]</p>	2147N 10514E	0616		401-A
<p>PHI DIEM (KEP HA) AIRFIELD</p> <p>3 NM ESE OF KEP AT UTM COORDINATES XJ725650.</p> <p>UNSERVICEABLE AIRFIELD, WITH NE/SW PACKED EARTH RUNWAY, IN PROBABLE DELAYED PHASE OF CONSTRUCTION. RUNWAY DIMENSIONS CANNOT BE DETERMINED, BUT MAXIMUM DIMENSIONS OF SITE, INCLUDING OVERRUNS, ARE APPROXIMATELY 4,000 X 100 FT.</p> <p>POSSIBLE SUPPORT AREA ON WEST SIDE OF SITE CONTAINS 4 SMALL BUILDINGS.</p> <p>AIRCRAFT -- NONE OBSERVED.</p> <p>[REDACTED]</p>	2123N 10640E	0616	[REDACTED]	397
<p>KEP AIRFIELD</p> <p>ONE NM SW OF KEP.</p> <p>4,650 X 100 FT NE/SW PACKED EARTH RUNWAY, SERVICEABLE, HOWEVER, RUNWAY APPEARS POORLY MAINTAINED.</p> <p>NO OPERATIONAL FACILITIES OBSERVED. SIX NEWLY CONSTRUCTED WAREHOUSE-TYPE BUILDINGS OBSERVED SOUTH OF RUNWAY.</p> <p>AIRCRAFT -- NONE OBSERVED.</p>	2124N 10616E	0616	[REDACTED]	211
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City, Installation	Coordinates	WAC	Installation Numbers	
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<div></div> <p>LANG SON AIRFIELD ONE NM SE OF LANG SON AT UTM COORDINATES XK834156. 3,500 X 165 FT NNW/SSE SOD RUNWAY, SERVICEABLE. AIRCRAFT -- NONE OBSERVED.</p> <div></div>	2150N 10646E	0616	<div></div>	119-A
<p><u>MILITARY/NAVAL INSTALLATIONS</u></p> <p>PHO CAC BA, COASTAL DEFENSE SITE IMMEDIATELY EAST OF PHO CAC BA AT UTM COORDINATES YH140930. FOUR OCCUPIED COASTAL DEFENSE EMPLACEMENTS AND SEVERAL SMALL SUPPORT BUILDINGS OBSERVED.</p> <div></div>	2043N 10703E	0615		110
<p>TRINH DIEN AREA, POSS MILITARY INSTALLATION ONE NM SE OF TRINH DIEN AT UTM COORDINATES WH688114. INSTALLATION CONTAINS 11 BARRACKS-TYPE, LARGE HEADQUARTERS-TYPE, 2 H-SHAPED, AND 5 SUPPORT BUILDINGS AND 6 POSSIBLE VEHICLES.</p> <div></div>	2000N 10540E	0616		484
<p>MY HOA AREA, MILITARY CAMP CAMP COMPRISES 2 ADJACENT AREAS 2 NM WEST OF MY HOA AT UTM COORDINATES WH560154.  WEST AREA -- 15 BARRACKS, ADMINISTRATIVE BUILDING, 2 MESS HALLS, AND APPROXIMATELY 12 MISCELLANEOUS BUILDINGS. EXTENSIVE TRENCH SYSTEM OBSERVED NORTH OF AREA.</p>	2002N 10532E	0616		207

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EAST AREA -- APPROXIMATELY 12 REVETTED BUILDINGS, 3 BUNKERS, AND SEVERAL POSSIBLE BUNKERS. [REDACTED]				
BIEN SON AREA, MILITARY COMPLEX MILITARY COMPLEX COMPRISES 2 CAMPS 1.5 NM NORTH OF BIEN SON ON EAST AND WEST SIDES OF ROUTE 1. NO APPARENT CHANGE SINCE [REDACTED] [REDACTED] EXCEPT THAT UTM COORDINATES FOR AREA A SHOULD BE CORRECTED TO WH892215 AND FOR AREA B TO WH907202. [REDACTED]	2005N 10551E	0616		227
LANG CA AREA, MILITARY COMPLEX .5 NM SOUTH OF LANG CA AT UTM COORDINATES WH946315. IRREGULARLY SHAPED BARRACKS AND STORAGE AREA CONTAINS 24 BARRACKS AND 4 H-SHAPED ADMINISTRATIVE, ONE MULTISTORIED ADMINISTRATIVE, 6 STORAGE, 5 POSSIBLE EXPLOSIVES STORAGE, AND APPROXIMATELY 20 MISCELLANEOUS BUILDINGS. PERSONNEL TRENCHES OBSERVED THROUGHOUT AREA. CAMP 3 NM NW NOT OBSERVED DUE TO CLOUD COVER. [REDACTED]	2010N 10554E	0616		231
THIET TRA AREA, MILITARY CAMP MILITARY CAMP COMPRISES 2 AREAS ON SOUTH AND NORTH SIDES OF ROAD 2 NM EAST OF THIET TRA. NO APPARENT CHANGE SINCE [REDACTED] [REDACTED]	2017N 10511E	0616		250

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City, Installation	Coordinates	WAC	Installation Numbers	
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DONG BOT AREA, PROVINCIAL MILITARY CAMPS TWELVE CAMPS ALONG PHU LY-HOA BINH ROAD BETWEEN CHO CAY (20-31N 105-45E) AND DONG TRANH (20-35N 105-42E). NO APPARENT CHANGE SINCE [REDACTED]	2033N 10544E	0616		394
HAI HA AREA, TRAINING AREA APPROXIMATELY .4 NM WSW OF HAI HA AND APPROXIMATELY ONE NM SE OF HAI HA AREA STORAGE SITE AT UTM COORDINATES WH236792. TRAINING AREA, APPROXIMATELY 1,300 ACRES IN AREA, CONTAINS SMALL TRENCHES, AW POSITIONS, DRIVER TRAINING AREAS, 26 UNIDENTIFIED VEHICLES, AND TWO 7-GUN LIGHT AAA SITES, ONE OCCUPIED AND ONE POSSIBLY OCCUPIED.	2036N 10514E	0616		283-A
LANG GOA AREA, MILITARY CAMP ONE NM NORTH OF LANG GOA. NO APPARENT CHANGE SINCE [REDACTED]	2040N 10540E	0616		269
XUAN MAI AREA, ARMY BARRACKS SW ONE NM SW OF XUAN MAI. MORE THAN 200 BARRACKS OBSERVED IN CLOUD-FREE AREAS OF LARGE BARRACKS AREA. SCATTERED CLOUDS AND OBLIQUITY PRECLUDE DETERMINATION OF SIZE OF AREA AND FURTHER INTERPRETATION.	2054N 10535E	0616		261

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<p>HANOI AREA, MILITARY CAMP CAMP COMPRISES 2 AREAS IN HANOI AREA.</p> <p>AREA A (7.3 NM WSW OF HANOI RAILROAD CLASSIFICATION YARD AT UTM COORDINATES WJ760218) -- 9 BARRACKS AND 23 STORAGE AND 16 SUPPORT BUILDINGS.</p> <p>AREA B (0.4 NM SOUTH OF AREA A) -- 4 BARRACKS, ADMINISTRATIVE BUILDING, AND SEVERAL SMALL ASSOCIATED BUILDINGS. OCCUPIED, PROBABLY LIGHT 6-GUN AAA SITE (5 GUNS APPARENTLY IN POSITION) OBSERVED IMMEDIATELY EAST OF AREA B.</p> <p>ONE TRUCK AND TRAILER OBSERVED ON ROAD BETWEEN AREAS.</p>	2059N 10544E	0616		112-Y4
<p>HANOI, BARRACKS AND STORAGE AREA BAC MAI 2.1 NM SOUTH OF HANOI RAILROAD CLASSIFICATION YARD AND IMMEDIATELY EAST OF SE EDGE OF BAC MAI AIRFIELD. NO APPARENT CHANGE OBSERVED IN NORTH SECTION SINCE [REDACTED] SOUTH SECTION OBSCURED BY CLOUDS.</p>	2059N 10550E	0616		112-Y
<p>HUNG YEN AREA, MILITARY CAMP 1.5 NM NORTH OF HUNG YEN AT UTM COORDINATES XA110860. CAMP COMPRISES 4 FENCED AREAS CONTAINING A TOTAL OF 25 BARRACKS, 9 POSSIBLE BARRACKS, AND 4 STORAGE, ONE U-SHAPED ADMINISTRATIVE, ONE E-SHAPED ADMINISTRATIVE, AND 42 MISCELLANEOUS</p>	2040N 10604E	0616		362
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<p>BUILDINGS.</p> <p>DO SON POINT AREA, COASTAL DEFENSES DO SON PENINSULA EXTENDING SOUTH FROM TOWN OF DO SON. DEFENSES COMPRISE MILITARY AREA CONTAINING 6 BARRACKS-TYPE, 4 STORAGE-TYPE, AND NUMEROUS ASSOCIATED BUILDINGS, 4 OCCUPIED DP EMPLACEMENTS NORTH OF MILITARY AREA, 4 UNOCCUPIED DP EMPLACEMENTS SOUTH OF MILITARY AREA, AND 4 UNOCCUPIED DP EMPLACEMENTS 1.2 NM SOUTH OF DO SON.</p>	2042N 10648E	0616		106-B
<p>HAIPHONG AREA, BARRACKS AREA 2 NM NORTH OF HAIPHONG AT UTM COORDINATES XJ750107. SECURED BARRACKS AREA CONTAINS ADMINISTRATIVE BUILDING, 15 BARRACKS, AND 8 SUPPORT BUILDINGS.</p>	2053N 10641E	0616		109-I
<p>BAN YEN NHAN, MILITARY CAMP NW EDGE OF BAN YEN NHAN. CAMP CONTAINS 4 BARRACKS AND 4 SUPPORT, 6 MAINTENANCE/WAREHOUSE, AND ONE ADMINISTRATIVE BUILDING, AND SMALL ARMS FIRING RANGE.</p>	2056N 10602E	0616		312
<p>HANOI, ARMY BARRACKS SOUTH 1.4 NM SOUTH OF HANOI RAILROAD CLASSIFICATION YARD ON BOTH SIDES OF HANOI-NAM DINH RAILROAD LINE AT UTM COORDINATES WJ884224.</p>	2100N 10551E	0616		112-P

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<p>AREA, REPORTED ON [REDACTED] AS BARRACKS AREA, IS PROBABLY A NONMILITARY INSTALLATION. A MORE DETAILED STUDY REVEALS THAT THE BUILDING PATTERN RESEMBLES THAT OF A SCHOOL WITH NONMILITARY MULTISTORIED HOUSING.</p> <p>[REDACTED]</p>				
<p>HANOI AREA, MILITARY CAMP 1.9 NM WSW OF HANOI RAILROAD CLASSIFICATION YARD AT UTM COORDINATES WJ853248. FENCED, IRREGULARLY SHAPED AREA CONTAINS MICROWAVE TOWER, METEOROLOGICAL STATION, AND 40 BARRACKS-TYPE, 4 ADMINISTRATIVE, AND SEVERAL SUPPORT BUILDINGS. THREE POSSIBLY ASSOCIATED, PARTIALLY FENCED AREAS ON EAST AND SE EDGE OF CAMP CONTAIN A TOTAL OF 8 LARGE MULTISTORIED ADMINISTRATIVE AND APPROXIMATELY 30 SMALLER BUILDINGS.</p> <p>[REDACTED]</p>	2101N 10548E	0616		112-27
<p>HANOI AREA, ANTIAIRCRAFT DEFENSES TOTAL OF 105 GUNS AND 2 PROBABLE GUNS DEPLOYED IN ONE OCCUPIED 6-GUN AAA SITE AND 15 OCCUPIED 8-GUN AAA SITES OBSERVED THROUGH SCATTERED CLOUDS IN HANOI AREA. AAA SITES, LISTED CLOCKWISE FROM NORTH, ARE AS FOLLOWS (DISTANCE AND DIRECTION FROM HANOI RAILROAD CLASSIFICATION YARD) -- OCCUPIED 8-GUN SITE, 1.5 NM NORTH, AT UTM COORDINATES WJ880276. OCCUPIED 8-GUN SITE, 4.7 NM NNE, AT UTM COORDINATES WJ896332. OCCUPIED 8-GUN SITE, 2.7 NM NE, AT UTM COORDINATES WJ913291. OCCUPIED 8-GUN SITE, 5.4 NM NE, AT UTM</p>	2101N 10551E	0616		112-24

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<p>COORDINATES WJ937325.  8-GUN SITE (7 POSITIONS OCCUPIED), 3.8 NM NE,  AT UTM COORDINATES WJ940292.  OCCUPIED 8-GUN SITE, 2.4 NM ENE, AT UTM  COORDINATES WJ915264.  OCCUPIED 8-GUN SITE, 2.8 NM EAST, AT UTM  COORDINATES WJ930255.  8-GUN SITE (7 POSITIONS UNOCCUPIED, ONE  PROBABLY OCCUPIED), 1.4 NM ESE AT UTM  COORDINATES WJ902243.  OCCUPIED 8-GUN SITE, 3.8 NM SE, AT UTM  COORDINATES WJ932207.  OCCUPIED 8-GUN SITE, 2 NM SE, AT UTM  COORDINATES WJ902221.  6-GUN SITE (5 GUNS IN POSITION), 7 NM WSW,  AT UTM COORDINATES WJ775214.  OCCUPIED 8-GUN SITE, 2.5 NM WEST, AT UTM  COORDINATES WJ833241.  OCCUPIED 8-GUN SITE, 4.1 NM WNW, AT UTM  COORDINATES WJ803267.  8-GUN SITE (7 POSITIONS UNOCCUPIED, ONE  PROBABLY OCCUPIED), 2 NM WNW, AT UTM  COORDINATES WJ845264.  8-GUN SITE (5 POSITIONS OCCUPIED), 2.7 NM NNW,  AT UTM COORDINATES WJ859291.  OCCUPIED 8-GUN SITE, 3.7 NM NNW, AT UTM  COORDINATES WJ849311.</p> <p>VAN TRI ARMY BARRACKS SE  THREE SEPARATE AREAS 2.5 NM ESE OF VAN TRI ON  EAST AND WEST EDGES OF MAI DICH AT UTM  COORDINATES WJ813263.</p> <p>AREA A (WEST EDGE OF MAI DICH) -- 3 FENCED</p>	2102N 10547E	0616		404

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<p>AREAS CONTAINING 19 MULTISTORIED BARRACKS-TYPE, 8 MULTISTORIED ADMINISTRATIVE, AND NUMEROUS SMALL SUPPORT BUILDINGS.</p> <p>AREA B (EAST EDGE OF MAI DICH) -- BARRACKS AREA CONTAINING 75 BARRACKS (10 MULTISTORIED), AND 7 ADMINISTRATIVE/SUPPORT, 4 ADMINISTRATIVE (ONE MULTISTORIED), AND NUMEROUS MISCELLANEOUS BUILDINGS.</p> <p>AREA C (.5 NM EAST OF MAI DICH) -- SECURED AREA CONTAINING 12 BARRACKS AND 8 ADMINISTRATIVE AND 20 SUPPORT/MISCELLANEOUS BUILDINGS.</p>				
<p>[REDACTED]</p> <p>HANOI, ARMY BARRACKS NGHIA DOI 1.8 NM NW OF HANOI RAILROAD CLASSIFICATION YARD AT UTM COORDINATES WJ843264. INSTALLATION CONTAINS PARADE GROUND, APPROXIMATELY 77 BARRACKS, 4 ADMINISTRATIVE, 70 STORAGE, AND 10 SUPPORT BUILDINGS, OCCUPIED B-GUN AAA SITE AT WEST EDGE, AND 13 VEHICLES.</p>	2102N 10548E	0616		112-Y6
<p>[REDACTED]</p> <p>HANOI, MILITARY ZONE HQS (CITADEL) .7 NM NORTH OF HANOI RAILROAD CLASSIFICATION YARD, AT 21-02-10N 105-50-35E. AREA CONTAINS MORE THAN 200 BUILDINGS, MOSTLY BARRACKS AND WAREHOUSES. HAZE AND SCATTERED CLOUDS PRECLUDE FURTHER INTERPRETATION.</p>	2102N 10550E	0616	[REDACTED]	112-W
<p>[REDACTED]</p> <p>VAN TRI PROBABLE MILITARY INSTALLATION NW ONE NM NW OF VAN TRI AT UTM COORDINATES</p>	2103N 10544E	0616		462

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<p>WJ752295. SMALL SECURED AREA CONTAINS ONE ADMINISTRATIVE-TYPE, 9 SMALL BARRACKS-TYPE, AND 6 SUPPORT BUILDINGS AND ONE TRUCK.</p>				
<p>HANOI AREA, MILITARY DEPOT 5.4 NM WNW OF HANOI RAILROAD CLASSIFICATION YARD AT UTM COORDINATES WJ793270. SECURED MILITARY DEPOT CONTAINS 14 WAREHOUSES, 58 BARRACKS, AND 8 ADMINISTRATIVE, 7 SUPPORT, AND 2 VEHICLE MAINTENANCE BUILDINGS. CLOUD COVER PRECLUDES IDENTIFICATION OF CONSTRUCTION REPORTED IN</p>	2103N 10546E	0616		112-Y3
<p>DONG KHO, MILITARY CAMP SOUTH EDGE OF DONG KHO AT UTM COORDINATES WJ835295. SECURED CAMP CONTAINS 9 BARRACKS, 10 STORAGE/SUPPORT BUILDINGS, 2 ADMINISTRATIVE BUILDINGS, AND VEHICLE SHED. PROBABLE COMMUNICATIONS SITE WITH 20 MASTS OBSERVED ADJACENT TO SOUTH EDGE OF CAMP.</p>	2103N 10548E	0616		416
<p>HANOI, MILITARY COMPLEX TAY HO 1.7 NM NORTH OF HANOI RAILROAD CLASSIFICATION YARD. COMPLEX CONTAINS APPROXIMATELY 450 BUILDINGS INCLUDING 89 BARRACKS-TYPE, 9 ADMINISTRATIVE, 259 STORAGE, AND NUMEROUS SUPPORT BUILDINGS.</p>	2103N 10550E	0616		112-0

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DAN HOI ARMY BARRACKS SOUTH 7.2 NM NW OF HANOI RAILROAD CLASSIFICATION YARD. BARRACKS AREA CONTAINS 3 ADMINISTRATIVE BUILDINGS, 22 MULTISTORIED BARRACKS, 23 SUPPORT BUILDINGS, AND MOTOR POOL.	2104N 10543E	0616		112-N
HANOI, ARMY BARRACKS NW 4.8 NM NW OF HANOI RAILROAD CLASSIFICATION YARD. FENCED INSTALLATION CONTAINS 56 BARRACKS, ATHLETIC FIELD, AND 3 ADMINISTRATIVE, 11 STORAGE, AND 33 SUPPORT BUILDINGS.	2104N 10546E	0616		112-M
HANOI ARMY SUPPLY DEPOT NNE 4.5 NM NE OF HANOI RAILROAD CLASSIFICATION YARD AT UTM COORDINATES WJ930295. DEPOT CONTAINS 3 VEHICLE SHEDS AND 2 ASSOCIATED MAINTENANCE BUILDINGS, 9 WAREHOUSES, AND 59 SUPPORT AND 31 STORAGE BUILDINGS. ADJACENT, RAIL-SERVED, SECURED POL STORAGE AREA CONTAINS 32 VERTICAL STORAGE TANKS, 41 STORAGE/SUPPORT BUILDINGS, AND 7 RAILROAD TANK CARS. A TOTAL OF 45 VEHICLES OBSERVED IN DEPOT AND STORAGE AREA.	2104N 10553E	0616		112-K
HANOI, ARMY BARRACKS NNE 3.2 NM NE OF HANOI RAILROAD CLASSIFICATION YARD AT UTM COORDINATES WJ912293.	2104N 10553E	0616		112-L

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<p>BARRACKS AREA, COMPRISING GARRISON, MAINTENANCE AREA, AND POSSIBLE HOSPITAL AREA, CONTAINS 91 BARRACKS, 53 WAREHOUSES, AND 5 MAINTENANCE, 10 ADMINISTRATIVE, AND 54 SUPPORT BUILDINGS.</p> <p>[REDACTED]</p>				
<p>BINH HA, MILITARY CAMP NW EDGE OF BINH HA AT UTM COORDINATES WJ990350. CAMP CONTAINS APPROXIMATELY 40 BUILDINGS, INCLUDING 23 BARRACKS (5 MULTISTORIED), AND 4 ATHLETIC FIELDS.</p> <p>[REDACTED]</p>	2107N 10557E	0616		297
<p>KINH NO AREA, MILITARY CAMP ONE NM SOUTH OF KINH NO AT UTM COORDINATES WJ890390. SECURED MILITARY CAMP CONTAINS 20 BARRACKS-TYPE AND APPROXIMATELY 10 SUPPORT BUILDINGS. SMALL FENCED AREA WITH 3 SMALL BUILDINGS UNDER CONSTRUCTION OBSERVED .5 NM SW OF CAMP.</p> <p>[REDACTED]</p>	2109N 10549E	0616		221-C
<p>THANH NHAN AREA, PROB MILITARY INSTALLATION .5 NM SE OF THANH NHAN AT UTM COORDINATES WJ789472. INSTALLATION COMPRISES 4 PROBABLE BARRACKS, ADMINISTRATIVE BUILDING, AND SEVERAL MINOR SUPPORT BUILDINGS.</p> <p>[REDACTED]</p>	2113N 10545E	0616		411
<p>HA GIA AREA, MILITARY CAMP .6 NM SW OF HA GIA AT UTM COORDINATES</p>	2118N 10552E	0616		224-B

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WJ900630. CAMP CONTAINS 20 BARRACKS, 3 MESS HALLS, AND 3 ADMINISTRATIVE AND 10 SUPPORT BUILDINGS. [REDACTED]				
VINH YEN AREA, MILITARY TRAINING COMPLEX COMPLEX COMPRISES 5 SEPARATE AREAS WITHIN 3.5 NM RADIUS OF VINH YEN.  AREA A (3.5 NM NNE OF VINH YEN AT UTM COORDINATES WJ640615) -- BARRACKS AND STORAGE AREA WITH 15 BARRACKS, 4 H-SHAPED ADMINISTRATIVE BUILDINGS, AND SEVERAL SHEDS. SECURED STORAGE AREA WITH 18 STORAGE AND 7 SUPPORT BUILDINGS OBSERVED IMMEDIATELY SOUTH OF AREA A, AND SECURED AMMUNITION STORAGE AREA WITH 4 REVETTED BUILDINGS OBSERVED SSW OF SECURED STORAGE AREA.  AREA B (1.4 NM NORTH OF VINH YEN AT UTM COORDINATES WJ622588) -- PARTIALLY SECURED AREA WITH 12 BARRACKS, 3 ADMINISTRATIVE, 6 ADMINISTRATIVE/SUPPORT, AND 10 LARGE STORAGE BUILDINGS, AND SEVERAL SHEDS. TRAINING AREA AND NUMEROUS VEHICLE TRACKS OBSERVED.  AREA C (UTM COORDINATES WJ637575) -- IDENTIFICATION ONLY DUE TO HEAVY CLOUDS.  AREA D (UTM COORDINATES WJ666562) -- IDENTIFICATION ONLY DUE TO HEAVY CLOUDS.  AREA E (1.2 NM SW OF VINH YEN AT UTM COORDINATES WJ606551) -- BARRACKS AND STORAGE AREA WITH 16 ADMINISTRATIVE (13	2119N 10536E	0616		241-F

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INTERCONNECTED), 10 BARRACKS-TYPE, 20 LARGE STORAGE-TYPE, AND APPROXIMATELY 15 SMALLER SUPPORT/STORAGE-TYPE BUILDINGS. NO VEHICLES OR DEFENSIVE POSITIONS OBSERVED IN COMPLEX. HEAVY CLOUDS AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.				
HUU THU AREA, TRAINING SITE 3 NM ENE OF HUU THU AT UTM COORDINATES WJ691629. IDENTIFICATION ONLY DUE TO HEAVY CLOUDS.	2122N 10540E	0616		321-A
THUONG DINH AREA, MILITARY CAMP .9 NM WNW OF THUONG DINH AT UTM COORDINATES WJ932760. CAMP CONTAINS 14 BARRACKS, MOTOR POOL, AND 3 ADMINISTRATIVE, 2 MAINTENANCE, 4 SUPPORT, AND 2 REVETTED STORAGE BUILDINGS. LARGE INFANTRY TRAINING AREA OBSERVED NE OF CAMP.	2129N 10554E	0616		415
THAI NGUYEN, BARRACKS AREA WEST EDGE OF THAI NGUYEN AT UTM COORDINATES WJ860865. AREA CONTAINS 9 BARRACKS AND 2 STORAGE, ONE ADMINISTRATIVE, AND 5 SUPPORT BUILDINGS.	2135N 10550E	0616		242-Y
THAI NGUYEN, BARRACKS AND STORAGE AREA SE 1.2 NM SE OF THAI NGUYEN AT UTM COORDINATES	2135N 10551E	0616		242-R

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<p>WJ883867. BARRACKS, STORAGE, AND VEHICLE MAINTENANCE AREA CONTAINS APPROXIMATELY 52 BARRACKS/ STORAGE-TYPE, 2 VEHICLE STORAGE/SUPPORT, AND SEVERAL SMALLER SUPPORT BUILDINGS AND 7 LARGE TRUCKS.</p>				
<p>THAI NGUYEN, MILITARY COMPLEX NORTH 1.7 NM NORTH OF THAI NGUYEN AT UTM COORDINATES WJ859886. COMPLEX COMPRISES 4 CLOSELY ASSOCIATED AREAS CONTAINING A TOTAL OF APPROXIMATELY 55 BARRACKS AND 5 MULTISTORIED ADMINISTRATIVE, 3 T-SHAPED ADMINISTRATIVE, AND NUMEROUS SMALLER SUPPORT BUILDINGS.</p>	2136N 10550E	0616		242-T
<p>THAI NGUYEN, MILITARY COMPLEX MILITARY COMPLEX COMPRISES 3 AREAS IN THAI NGUYEN VICINITY.</p> <p>AREA A (3 NM NW OF THAI NGUYEN AT 21-36-35N 105-48-10E AND UTM COORDINATES WJ833894) -- 2 ROAD-CONNECTED AREAS CONTAINING ONE E-SHAPED MULTISTORIED ADMINISTRATIVE BUILDING, 13 BARRACKS, 2 MESS HALLS, AND 13 STORAGE/SUPPORT BUILDINGS.</p> <p>AREA B (ONE NM ESE OF THAI NGUYEN AT 21-36-00N 105-51-00E AND UTM COORDINATES WJ884820) -- MULTISTORIED ADMINISTRATIVE BUILDING, 3 BARRACKS, AND 12 STORAGE/SUPPORT BUILDINGS.</p>	2136N 10551E	0616		242-A

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<p>AREA C (2.5 NM SW OF THAI NGUYEN AT 21-33-50N 105-49-30E AND UTM COORDINATES WJ855843) -- 2 SEPARATE ROAD-CONNECTED AREAS CONTAINING 2 ADMINISTRATIVE BUILDINGS, MESS HALL, 21 BARRACKS/STORAGE-TYPE BUILDINGS, AND 8 STORAGE/SUPPORT BUILDINGS.</p>				
<p>THAI NGUYEN AREA, ANTIAIRCRAFT DEFENSES TOTAL OF 38 ANTIAIRCRAFT GUNS ARE DEPLOYED IN THAI NGUYEN AREA. AAA SITES, LISTED CLOCKWISE FROM THE NORTH, ARE AS FOLLOWS (DISTANCE AND DIRECTION FROM CENTER OF THAI NGUYEN) -- OCCUPIED 8-GUN MEDIUM AAA SITE, 3.5 NM ESE, AT 21-34-22N 105-54-05E AND UTM COORDINATES WJ934856. OCCUPIED 8-GUN MEDIUM AAA SITE, 3 NM SE, AT 21-33-48N 105-53-00E AND UTM COORDINATES WJ915846. OCCUPIED 8-GUN MEDIUM AAA SITE, 4 NM SSE, AT 21-32-15N 105-52-25E AND UTM COORDINATES WJ902818. OCCUPIED 8-GUN MEDIUM AAA SITE, 1.3 NM SOUTH, AT 21-34-30N 105-50-50E AND UTM COORDINATES WJ878858. OCCUPIED 6-GUN LIGHT AAA SITE, 4.1 NM SSE, AT 21-32-00N 105-52-45E AND UTM COORDINATES WJ909813.</p>	2136N 10551E	0616		242-M
<p>THAI NGUYEN AREA, MILITARY CAMP NE 2.1 NM NE OF THAI NGUYEN AT UTM COORDINATES WJ871911. CAMP CONTAINS 34 BARRACKS AND 3 ADMINISTRATIVE</p>	2137N 10552E	0616		242-P



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<p>AND APPROXIMATELY 20 SUPPORT/STORAGE BUILDINGS.</p> <p>[REDACTED]</p> <p>THAI NGUYEN AREA, MILITARY CAMP NNW 2.8 NM NNW OF THAI NGUYEN AT UTM COORDINATES WJ926851. CAMP CONTAINS 4 BARRACKS-TYPE BUILDINGS, PROBABLE WAREHOUSE, ONE ADMINISTRATIVE BUILDING, AND 12 SUPPORT-TYPE BUILDINGS. OTHER BUILDINGS REPORTED [REDACTED] HAVE BEEN RAZED.</p> <p>[REDACTED]</p> <p>NGOC CHUC AREA, MILITARY TRAINING AREA 1.5 NM NE OF NGOC CHUC. MILITARY TRAINING AREA, APPROXIMATELY ONE SQ MI IN AREA, CONTAINS 4 BARRACKS-TYPE BUILDINGS, 2 SMALL ASSOCIATED BUILDINGS, AND NUMEROUS ENTRENCHMENTS.</p> <p>[REDACTED]</p> <p>KY LAM AREA, MILITARY CAMP 1.2 NM EAST OF KY LAM AT UTM COORDINATES WK243019. CAMP CONTAINS MESS HALL AND 9 BARRACKS-TYPE, ONE ADMINISTRATIVE, AND 7 ASSOCIATED BUILDINGS.</p> <p>[REDACTED]</p> <p>KY THACH, MILITARY CAMP .6 NM SOUTH OF KY THACH AT UTM COORDINATES WK071230. CAMP CONTAINS 20 BARRACKS AND 5 ADMINISTRATIVE AND APPROXIMATELY 12 SUPPORT BUILDINGS.</p>	<p>2138N 10549E</p> <p>2139N 10513E</p> <p>2143N 10514E</p> <p>2145N 10513E</p>	<p>0616</p> <p>0616</p> <p>0616</p> <p>0616</p>		<p>242-I</p> <p>336-B</p> <p>336-A</p> <p>401-B</p>

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<div>[REDACTED]</div> <p>BIEU NGHI AREA, MILITARY AREAS ONE NM EAST OF BIEU NGHI ON NORTH SIDE OF ROUTE 18 AT UTM COORDINATES XJ970245. AREA CONTAINS 2 ADJACENT BUT SEPARATE MILITARY AREAS, ONE CONTAINING 16 BARRACKS AND ONE ADMINISTRATIVE BUILDING AND THE OTHER CONTAINING 8 BARRACKS.</p>	2100N 10652E	0616		460
<p>DONG TRIEU AREA, MILITARY CAMP 3.5 NM NE OF DONG TRIEU AT UTM COORDINATES XJ628375. RECTANGULARLY SHAPED MILITARY CAMP CONTAINS APPROXIMATELY 50 BARRACKS-TYPE AND 8 LARGE ADMINISTRATIVE BUILDINGS. OBLIQUITY PRECLUDES FURTHER INTERPRETATION.</p>	2108N 10634E	0616		300
<p>BAC NINH ARMY BARRACKS 18 NM NE OF HANOI IN NORTHERN SECTOR OF BAC NINH AT UTM COORDINATES XJ120430. WALL AND MOAT-SECURED BARRACKS AREA CONTAINS 27 BARRACKS (7 MULTISTORIED), 20 STORAGE (ONE RETTED), 5 ADMINISTRATIVE, 5 PROBABLE ADMINISTRATIVE, AND NUMEROUS SUPPORT BUILDINGS, AND ATHLETIC FIELD.</p>	2111N 10603E	0616		206-C
<p>THAI CAU, MILITARY CAMP SW EDGE OF THAI CAU AT UTM COORDINATES XJ130442. MILITARY CAMP CONTAINS APPROXIMATELY 150 BUILDINGS, INCLUDING APPROXIMATELY 65</p>	2112N 10605E	0616		252-B

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<p>BARRACKS, AND 20 ADMINISTRATIVE, 30 STORAGE, AND NUMEROUS SUPPORT BUILDINGS, AND 53 REVENEMENTS (4 CONTAINING BUILDINGS).</p> <p>[REDACTED]</p>				
<p>THAI CAU, MILITARY CAMP NORTH EDGE OF THAI CAU AT UTM COORDINATES XJ135442. MILITARY CAMP CONTAINS 35 BARRACKS AND 10 ADMINISTRATIVE, 20 STORAGE, AND APPROXIMATELY 20 SUPPORT BUILDINGS.</p> <p>[REDACTED]</p>	2112N 10606E	0616		252-A
<p>HUU NGHI AREA, MILITARY CAMP .9 NM EAST OF HUU NGHI AT UTM COORDINATES XJ135470. ALL BUT 5 BUILDINGS IN AREA, NOW UNDER CULTIVATION, HAVE BEEN RAZED. NO EVIDENCE OF MILITARY ACTIVITY OBSERVED.</p> <p>[REDACTED]</p>	2113N 10605E	0616		253
<p>PHU LANG THUONG AREA, MILITARY BARRACKS ONE NM NORTH OF PHU LANG THUONG AT UTM COORDINATES XJ219523. BARRACKS AREA CONTAINS 33 BARRACKS AND 10 ADMINISTRATIVE, 26 STORAGE, AND NUMEROUS MISCELLANEOUS BUILDINGS.</p> <p>[REDACTED]</p>	2117N 10611E	0616		238-B
<p>DINH XUYEN, MILITARY CAMP EAST EDGE OF DINH XUYEN AT UTM COORDINATES XJ300587. CAMP CONTAINS 25 BARRACKS AND 5 ADMINISTRATIVE BUILDINGS. NO VEHICLES OBSERVED. NUMEROUS GROUND SCARS, SITES OF DISMANTLED</p>	2119N 10615E	0616		239

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<p>BUILDINGS, OBSERVED SE OF EXISTING BUILDINGS.</p> <p>[REDACTED]</p> <p>KA LA AREA, MILITARY CAMP ONE NM WEST OF KA LA AT UTM COORDINATES XJ663678. MILITARY CAMP CONTAINS APPROXIMATELY 30 BARRACKS AND 5 ADMINISTRATIVE AND NUMEROUS SMALL SUPPORT BUILDINGS. OBLIQUITY PRECLUDES FURTHER INTERPRETATION.</p> <p>[REDACTED]</p>	2121N 10636E	0616		299
<p>KEP HA AREA, MILITARY INSTALLATION ONE NM EAST OF KEP HA ON PHU LANG THUONG-DINH LAP ROAD AT UTM COORDINATES XJ743645. INSTALLATION CONTAINS APPROXIMATELY 40 BARRACKS-TYPE, 7 ADMINISTRATIVE, AND APPROXIMATELY 30 STORAGE/SUPPORT BUILDINGS. SECURED, ROAD-SERVED STORAGE AREA, APPROXIMATELY .5 NM SOUTH OF INSTALLATION, CONTAINS 3 REVETTED STORAGE AND 2 SMALL SUPPORT BUILDINGS.</p> <p>[REDACTED]</p>	2123N 10638E	0616		397-A
<p>BIEN DONG AREA, AAA TRAINING AREA 2.2 NM EAST OF BIEN DONG AT UTM COORDINATES XJ849663. TRAINING AREA CONTAINS 4 BATTERIES (3 CIRCULAR, ONE PROBABLE IN-LINE) WITH 24 OCCUPIED AAA REVETMENTS, 5 PROBABLE AMMUNITION STORAGE BUNKERS, APPROXIMATELY 20 SUPPORT BUILDINGS, AND 3 SMALL UNIDENTIFIED VEHICLES.</p> <p>[REDACTED]</p>	2124N 10647E	0616		497

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<u>ELECTRONICS/COMMUNICATIONS</u>				
TIEN YEN AREA, POSSIBLE ELECTRONICS SITE 2 NM ENE OF TIEN YEN. TALL, SELF-SUPPORTING TOWER AND BUILDING REPORTED [REDACTED] HAVE BEEN RAZED, AND SITE APPEARS ABANDONED. [REDACTED]	2120N 10726E	0615		104
HANOI AREA, COMMUNICATIONS STATION APPROXIMATELY 5 NM SW OF HANOI RAILROAD CLASSIFICATION YARD AT UTM COORDINATES WJ796204. STATION COMPRISES 2 WALLED AREAS, ONE WITH TRANSMITTER BUILDING, 2 COOLING PONDS, AND AT LEAST 4 SMALL SUPPORT BUILDINGS AND THE OTHER WITH APPROXIMATELY 10 ADMINISTRATIVE/ HOUSING BUILDINGS. SCATTERED CLOUDS AND HAZE PRECLUDE FURTHER INTERPRETATION. [REDACTED]	2059N 10546E	0616		112-U
DO SON, EARLY WARNING RADAR SITE TIP OF DO SON PENINSULA AT UTM COORDINATES XH885870. EARLY WARNING RADAR SITE COMPRISES SCR-270-TYPE RADAR, CONTROL VAN, AND SMALL SUPPORT BUILDING ON TOP OF HILL. [REDACTED]	2040N 10648E	0616		106-C
<u>INDUSTRY</u>				
GIUA LANG, POSSIBLE METALLURGICAL PLANT NE EDGE OF GIUA LANG.	2147N 10451E	0616		350

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<p>SECURED PLANT AREA CONTAINS 8 PROCESSING BUILDINGS, HEATING/POWER PLANT, AND 9 ASSOCIATED BUILDINGS. THREE ADMINISTRATIVE BUILDINGS OBSERVED IMMEDIATELY OUTSIDE PLANT AREA, AND 4 MULTISTORIED HOUSING UNITS OBSERVED IMMEDIATELY WEST OF PLANT AREA.</p> <p>[REDACTED]</p>				
<p>PHU NINH AREA, STORAGE AND INDUSTRIAL COMPLEX COMPRISES 3 AREAS APPROXIMATELY 2.2 NM WEST OF PHU NINH.</p> <p>AREA A (NORTH BANK OF CANAL DES RAPIDES AT UTM COORDINATES WJ944310) -- CLAY PRODUCTS INDUSTRY WITH 10 PROCESSING, 20 STORAGE, AND APPROXIMATELY 10 MISCELLANEOUS BUILDINGS/ SHEDS.</p> <p>AREA B (SOUTH BANK OF CANAL DES RAPIDES AT UTM COORDINATES UTM WJ950304) -- WOOD PROCESSING INDUSTRY WITH 7 PROCESSING BUILDINGS, 20 SUPPORT/STORAGE BUILDINGS, 2 LARGE MILL PONDS, AND NUMEROUS PILES OF MATERIAL IN OPEN STORAGE.</p> <p>AREA C (IMMEDIATELY SOUTH OF AREA B AT UTM COORDINATES WJ949303) -- SMALL UNIDENTIFIED INDUSTRY WITH ONE LARGE SAW-TOOTHED ROOF BUILDING, APPROXIMATELY 20 SMALL SUPPORT BUILDINGS, AND WATER TOWER.</p> <p>[REDACTED]</p>	2104N 10554E	0616		407
<p>YEN NOI AREA, PROBABLE PROCESSING INDUSTRY .5 NM EAST OF YEN NOI.</p> <p>FENCED AREA CONTAINS 2 MONITOR-ROOF BUILDINGS,</p>	2105N 10546E	0616		424

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<p>POWERHOUSE, 27 STORAGE/SUPPORT BUILDINGS, WATER TOWER, AND UNIDENTIFIED MATERIAL IN OPEN STORAGE AREA.</p> <p>THAI NGUYEN IRON AND STEEL COMBINE COMPLEX COMPRISES 4 AREAS IN THAI NGUYEN VICINITY.</p> <p>AREA A (APPROXIMATELY ONE NM NW OF THAI NGUYEN) -- ROAD AND RAIL-SERVED OPERATIONAL THERMAL ELECTRIC POWER PLANT WITH COAL PREPARATION BUILDING, BOILER HOUSE, GENERATOR HALL, TRANSFORMER YARD, PUMP/FILTER HOUSE ON SONG THUONG (RIVER), AND NUMEROUS ADMINISTRATIVE/SUPPORT BUILDINGS.</p> <p>AREA B (APPROXIMATELY 2 NM SSE OF THAI NGUYEN) -- ROAD AND RAIL-SERVED IRON AND STEEL PLANT UNDER CONSTRUCTION WITH POWER/STEAM PLANT, BLAST FURNACE, PROBABLE OPEN-HEARTH FURNACE BUILDING WITH 3 STACKS, 4 LARGE MULTIPLE BAY WAREHOUSES, WATER PUMPING FACILITY ON SONG THUONG (RIVER), AND NUMEROUS SUPPORT BUILDINGS. LARGE RAILROAD YARD OBSERVED APPROXIMATELY .5 NM WEST OF PLANT.</p> <p>AREA C (APPROXIMATELY 6 NM NE OF THAI NGUYEN) -- ROAD AND RAIL-SERVED (4-TRACK SPUR) ORE PROCESSING PLANT WITH CRUSHER BUILDING, 3 ROTARY KILNS, AND NUMEROUS SUPPORT BUILDINGS.</p> <p>AREA D (APPROXIMATELY 3 NM NNW OF THAI NGUYEN) -- OPEN PIT MINING FACILITY, PROBABLE</p>	2134N 10552E	0616		242-K





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<div>[REDACTED]</div> <p>PHU LANG THUONG AREA, U/I INDRL INSTLN U/C 2.2 NM NORTH OF PHU LANG THUONG. ROAD, WATER, AND RAIL-SERVED INDUSTRIAL INSTALLATION UNDER CONSTRUCTION COMPRISES 9 LARGE INDUSTRIAL-TYPE BUILDINGS (3 UNDER CONSTRUCTION), 2 LARGE POSSIBLE GASOMETERS UNDER CONSTRUCTION, LARGE SELF-SUPPORTING STEEL LATTICE MAST, VERY LARGE PROBABLE POWER/ STEAM PLANT, SEVERAL OTHER BUILDINGS IN EARLY STAGES OF CONSTRUCTION, AND CONSIDERABLE VARIED MATERIAL IN OPEN STORAGE. APPROXIMATELY 50 BARRACKS-TYPE BUILDINGS OBSERVED ADJACENT TO INSTALLATION.</p> <div>[REDACTED]</div> <p><u>BASIC SERVICES</u></p> <p>TIEN YEN AREA, LEVEE UNDER CONSTRUCTION 4 NM SOUTH OF TIEN YEN AT UTM COORDINATES XJ470530. EARTHEN LEVEE/CAUSEWAY, CONNECTING ISLANDS, EXTENDS EASTWARD FROM HA BIEN APPROXIMATELY 5 NM ACROSS BAY. NUMEROUS PROBABLE WORKERS HOUSING BUILDINGS OBSERVED ON AND ALONG LEVEE/ CAUSEWAY. BORROW APPARENTLY SUPPLIED FROM WEST END OF CONSTRUCTION.</p> <div>[REDACTED]</div> <p>HANOI-HOU EI HOUN PASS, ROAD ROAD FROM HANOI TO HOU EI HOUN PASS OBSERVED FROM 20-46N 105-00E TO 21-50N 105-20E (ROAD PARTIALLY OBSCURED BY CLOUDS). NINETEEN TRUCKS PROCEEDING WEST WITH TRAILERS</p>	<p>2119N 10612E</p> <p>2116N 10724E</p> <p>2101N 10551E</p>	<p>0616</p> <p>0615</p> <p>0616</p>		<p>238-C</p> <p>104-A</p> <p>112-A</p>

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<p>IN TOW OBSERVED AT FERRY CROSSING AT 21-46N 105-04E. APPROXIMATELY 2 NM WEST OF FERRY CROSSING. 3 TRUCKS OBSERVED PROCEEDING WEST.</p> <p>[REDACTED]</p> <p>HANOI-LANG SON, ROAD AND RAILROAD</p> <p>THE FOLLOWING WERE OBSERVED ON RAILROAD LINE FROM HANOI TO LANG SON -- TRAIN AT 21-16N 106-18E TRAVELING NORTH (ONE LOCOMOTIVE, 2 TANK CARS, 2 BOX CARS, AND 35 GONDOLA CARS), ONE LOCOMOTIVE AND 9 FREIGHT CARS AT LANG GIAI (21-42N 106-41E), 4 ADDITIONAL FREIGHT CARS ON SIDING IN IMMEDIATE AREA OF LANG GIAI, TRAIN AT 21-50N 106-45E (HAZE AND CLOUDS PRECLUDE CAR COUNT OR DETERMINATION OF DIRECTION OF TRAVEL), AND 7 CARS AT LANG SON 21-51N 106-46E.</p> <p>NO TRAFFIC OBSERVED ON ROAD FROM HANOI TO LANG SON. ROAD CONSTRUCTION/IMPROVEMENT IN PROGRESS FOR APPROXIMATELY 10 NM NE FROM KEP (21-22N 106-17E) TO 21-28N 106-22E.</p> <p>[REDACTED]</p> <p>HANOI-PING-HSIANG, RAILROAD LINE</p> <p>APPARENTLY OPERATIONAL RAILROAD LINE OBSERVED FROM HANOI TO 21-15N 106-10E.</p> <p>TRAIN WITH 5 CARS OBSERVED HEADING EAST, AND APPROXIMATELY 125 FREIGHT CARS OBSERVED IN RAILROAD YARD NE OF HANOI.</p> <p>[REDACTED]</p> <p>HANOI-HAIPHONG RAILROAD</p> <p>NO UNUSUAL ACTIVITY OBSERVED ON HANOI-HAIPHONG RAILROAD LINE.</p>	<p>2101N 10551E</p> <p>2101N 10551E</p> <p>2101N 10551E</p>	<p>0616</p> <p>0616</p> <p>0616</p>		<p>112-D</p> <p>112-H</p> <p>112-I</p>

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INCOMPLETE COVERAGE DUE TO HAZE AND SCATTERED CLOUDS.				
HANOI-LAO KAY, ROAD AND RAILROAD NO UNUSUAL ACTIVITY OBSERVED ALONG HANOI-LAO KAY ROAD OR RAILROAD. INCOMPLETE COVERAGE DUE TO SCATTERED CLOUDS.	2101N 10551E	0616		112-J
HANOI RAILROAD CLASSIFICATION YARD APPROXIMATE CENTER OF HANOI. NO APPARENT CHANGE IN FACILITIES SINCE	2101N 10551E	0616		112-V
APPROXIMATELY 90 RAILROAD CARS OBSERVED IN CLOUD-FREE AREAS.				
HANOI-DONG HOI, ROAD AND RAILROAD ROAD AND RAILROAD LINE FROM HANOI TO DONG HOI OBSERVED FROM APPROXIMATELY 20-20N 105-46E TO 19-50N 105-48E. ON RAILROAD LINE, AT NINH BINH RAILROAD YARD, 20-15N 105-59E, ONE LOCOMOTIVE AND 15 FREIGHT CARS OBSERVED PROCEEDING SOUTH, AND AT 19-50N 105-48E APPROXIMATELY 40 FREIGHT CARS OBSERVED HOLDING ON NORTH SIDE OF SONG MAI (RIVER). NO UNUSUAL VEHICLE ACTIVITY OBSERVED ON ROAD.	2102N 10551E	0616		112-Z9
HANOI RR REPAIR SHOPS GIA LAM RR REPAIR SHOP 2.8 NM NE OF HANOI. FACILITIES INCLUDE CLASSIFICATION YARD, REPAIR YARD, REPAIR SHOP AREA WITH SEVERAL LARGE MULTISECTIONAL SHOPS, AND STORAGE AREA	2103N 10553E	0616		112-Y8

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<p>WITH 11 LARGE AND NUMEROUS SMALL WAREHOUSE/ SUPPORT-TYPE BUILDINGS. SCATTERED CLOUDS AND HAZE PRECLUDE FURTHER INTERPRETATION.</p> <p>[REDACTED]</p>				
<p>PHU NINH, RAILYARD AND STORAGE FACILITIES APPROXIMATELY 2 NM WEST OF PHU NINH AT UTM COORDINATES WJ955315. RAILROAD YARD CONTAINS 12 TRACKS (MAXIMUM LENGTH OF 2,300 FT), 3 COAL STORAGE AREAS, COALING TOWER, TURNING WYE, AND APPROXIMATELY 100 UNIDENTIFIED RAILROAD CARS. TRAIN WITH APPROXIMATELY 13 CARS OBSERVED ENTERING YARD FROM SOUTH. TWO SECURED STORAGE AREAS OBSERVED SE OF RAILROAD YARD, THE FIRST, RAIL SERVED, CONTAINS 2 STORAGE BUILDINGS AND 5 SUPPORT BUILDINGS, AND THE SECOND, SOUTH OF ROUTE 1, CONTAINS AT LEAST 11 LARGE WAREHOUSES AND SOME MATERIAL IN OPEN STORAGE.</p> <p>[REDACTED]</p>	2105N 10555E	0616		407-A
<p>HANOI-THAI NGUYEN, RAILROAD BRANCH LINE NO UNUSUAL ACTIVITY OBSERVED ALONG APPARENTLY OPERATIONAL HANOI-THAI NGUYEN RAILROAD LINE. INCOMPLETE COVERAGE DUE TO SCATTERED CLOUDS.</p> <p>[REDACTED]</p>	2109N 10551E	0616		112-Z1
<p>UONG BI, THERMAL POWER PLANT NE EDGE OF UONG BI AND APPROXIMATELY 11 NM NE OF HAIPHONG. ROAD AND RAIL-SERVED (3 SPURS) LARGE THERMAL ELECTRIC POWER PLANT UNDER CONSTRUCTION (COAL FUELED WITH OIL RESERVES -- COAL SUPPLY</p>	2102N 10647E	0616		408

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<p>AND 6 SMALL POL STORAGE TANKS EVIDENT) COMPRISES COMPLETED SMOKESTACK, CONVEYOR, TRANSFORMER YARD, AND POSSIBLE COOLING POND AND BOILER/GENERATOR HOUSE WITH APPENDED SMALLER BUILDINGS AND CONDENSER/WATER INTAKE AND PUMP HOUSE AT RIVER APPARENTLY IN LATE STAGES OF CONSTRUCTION.</p>				
<p>LANG GIAI RAILROAD YARD 9.7 NM SSW OF LANG SON AT UTM COORDINATES XK731001. RAILROAD YARD, 1,300 FT LONG, CONTAINS 4 TRACKS, TURNING WYE, LOCOMOTIVE REPAIR FACILITIES, STUB TRACK, STATION, 11 RAILROAD CARS, AND 2 PROBABLE LOCOMOTIVES.</p>	2142N 10640E	0616		223
<p>DONG DANG AREA, RAILROAD FACILITY .5 NM SOUTH OF DONG DANG AT UTM COORDINATES XK756271. TRANSSHIPMENT POINT COMPRISES RAILROAD YARD CONTAINING 6 TRACKS, LARGE TURNING LOOP, AND SEVERAL WAREHOUSES.</p>	2156N 10641E	0616		357
<p>THANH HOA, RAIL/ROAD CONSTRUCTION 2 NM NE OF THANH HOA AT UTM COORDINATES WG835935. RAILROAD BED OBSERVED FROM APPROXIMATELY 20-00N 105-50E TO APPROXIMATELY 19-45N 105-45E. RAILROAD BED BEING RECONSTRUCTED, ALTHOUGH PROGRESS APPARENTLY SLOW. HAM RONG RAILROAD BRIDGE RECONSTRUCTION HAS PROGRESSED WITH ONE CENTER PIER IN LATE STAGES OF</p>	1950N 10547E	0617		126-N

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CONSTRUCTION AND CONSTRUCTION OF BRIDGE APPROACHES NEARING COMPLETION. SHORT RAILROAD SPUR FROM MAIN LINE IS UNDER CONSTRUCTION AT THE NW EDGE OF THANH HOA. CLOUDS AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION. [REDACTED]				
<u>PORTS AND HARBORS</u>  CAM PHA PORT FACILITIES ON THE GULF OF TONKIN 3 NM EAST OF CAM PHA VILLAGE. FACILITIES, SERVING COAL MINING INDUSTRY IN CAM PHA AREA, COMPRISE LARGE COALING QUAY WITH 4 OVERHEAD CRANES CAPABLE OF BERTHING OCEAN-GOING VESSELS, COAL STORAGE AREA WITH 5 OVERHEAD CRANES, AND LARGE CLASSIFICATION YARDS WITH ASSOCIATED STORAGE AND MAINTENANCE FACILITIES. VESSELS -- ONE LARGE DRY-CARGO SHIP, ONE MEDIUM DRY-CARGO SHIP, AND 11 BARGES. [REDACTED]	2102N 10722E	0615	[REDACTED]	106
PORT WALLUT PORT FACILITIES UTM COORDINATES YJ675465. PORT FACILITIES INCLUDE FLOATING DRYDOCK, QUAY, 4 PIERS, 8 LARGE WAREHOUSES, AND APPROXIMATELY 20 SMALLER SUPPORT BUILDINGS. FIVE DP EMPLACEMENTS (4 OCCUPIED) AND POSSIBLE RADAR SITE OBSERVED IMMEDIATELY WEST OF PORT FACILITIES. VESSELS -- 3 PROBABLE SWATOW-CLASS MOTOR GUNBOATS AND 12 UNIDENTIFIED PATROL CRAFT. [REDACTED]	2112N 10734E	0615	[REDACTED]	103

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<p><u>STORAGE</u></p> <p>HOAI AN AREA, EXPLOSIVES STORAGE AREA U/C ONE NM NNE OF HOAI AN AT UTM COORDINATES WH548592. ROAD-SERVED, FENCED (9 GUARD TOWERS ALONG PERIMETER FENCE) AREA CONTAINS 12 REVETTED WAREHOUSE-TYPE BUILDINGS (ONE UNDER CONSTRUCTION), 3 SMALL REVETTED BUILDINGS, AND 5 SUPPORT BUILDINGS. NO VEHICLES OBSERVED.</p>	2026N 10533E	0616		490
<p>HAI HA AREA, STORAGE SITE ONE NM NNE OF HAI HA AND ONE NM NW OF HAI HA TRAINING AREA AT UTM COORDINATES WH250805. SECURED STORAGE SITE CONTAINS 5 POSSIBLE BARRACKS AND 21 REVETTED STORAGE AND 2 ADMINISTRATIVE BUILDINGS. NO VEHICLES OBSERVED.</p>	2037N 10514E	0616		283
<p>DONG GIOI AREA, STORAGE AREA .5 NM NORTH OF DONG GIOI. PARTIALLY FENCED AREA CONTAINS APPROXIMATELY 35 STORAGE BUILDINGS.</p>	2052N 10637E	0616		363-A
<p>HAIPHONG PETROLEUM STORAGE AREA NW EDGE OF HAIPHONG. TWO ADJACENT AREAS, ONE WITH 12 VERTICAL STORAGE TANKS AND THE OTHER WITH 10 VERTICAL STORAGE TANKS, OBSERVED. THREE BUNKERING PIERS AND APPROXIMATELY 25</p>	2053N 10640E	0616		109-D

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<p>SUPPORT BUILDINGS SERVE THE AREAS. INCOMPLETE COVERAGE DUE TO SCATTERED CLOUDS.</p> <p>[REDACTED]</p> <p>NGOC LAP AREA, STORAGE SITE .7 NM SW OF NGOC LAP. TWENTY WAREHOUSE-TYPE BUILDINGS OBSERVED IN CLOUD-FREE AREA.</p> <p>[REDACTED]</p> <p>PHU LUU, STORAGE AREA IMMEDIATELY NORTH OF PHU LUU AND 9.5 NM NE OF HANOI AT UTM COORDINATES XJ020360. ROAD-SERVED STORAGE AREA, SITE OF FORMER FRENCH FORT, CONTAINS 16 STORAGE, ONE ADMINISTRATIVE, AND 3 ADMINISTRATIVE/SUPPORT BUILDINGS, 19 CIRCULAR-BASE GRAIN CRIBS, AND RECTANGULAR GRAIN STORAGE BIN. ADJACENT TO MAIN ENTRANCE, SMALL SEPARATELY FENCED AREA CONTAINS 2 ADMINISTRATIVE/SUPPORT BUILDINGS. ASSOCIATED SMALL STORAGE AREA, SEVERAL HUNDRED YARDS SW OF STORAGE AREA, CONTAINS 7 STORAGE BUILDINGS.</p> <p>[REDACTED]</p> <p>KINH NO AREA, STORAGE COMPLEX THREE ASSOCIATED AREAS ONE NM WEST OF KINH NO AND 21 NM SOUTH OF THAI NGUYEN AT UTM COORDINATES WJ882396.</p> <p>AREA A -- SUPPLY DEPOT WITH 17 WAREHOUSES AND LARGE AMOUNT OF MATERIAL IN RAIL-SERVED OPEN STORAGE.</p> <p>AREA B (IMMEDIATELY EAST OF AREA A) -- 18</p>	<p>2054N 10606E</p> <p>2107N 10558E</p> <p>2109N 10551E</p>	<p>0616</p> <p>0616</p> <p>0616</p>	<p>311</p> <p>375</p> <p>221-A</p>	



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STORAGE BUILDINGS, TWO 2-STORIED BARRACKS, ONE 2-STORIED BARRACKS/SUPPORT-TYPE BUILDING, AND 12 WAREHOUSES.  AREA C (IMMEDIATELY SOUTH OF AREA A) -- WALLED AREA WITH 5 BARRACKS AND 17 STORAGE, ONE ADMINISTRATIVE, 4 SUPPORT, AND 8 ASSOCIATED BUILDINGS.  ADDITIONAL SECURED STORAGE SITE WITH 16 SEMIBURIED STORAGE BUILDINGS, 9 BURIED STORAGE TANKS, 4 SEMIBURIED STORAGE TANKS, AND APPROXIMATELY 20 ASSOCIATED BUILDINGS OBSERVED .9 NM NNW OF KINH NO.  [REDACTED]				
THAI NGUYEN AREA, ARMY SUPPLY DEPOT 2 NM NNE OF THAI NGUYEN. DOUBLE-FENCED SITE CONTAINS 37 WAREHOUSE-TYPE AND 4 SUPPORT BUILDINGS. GAPS IN INNER SECURITY FENCE AND HEAVY VEGETATION AROUND BUILDINGS INDICATE SITE POSSIBLY ABANDONED. NO MILITARY ACTIVITY OR VEHICLES OBSERVED.  [REDACTED]	2138N 10551E	0616		242-F
THANH TRA AREA, STORAGE SITE ONE NM SW OF THANH TRA AT UTM COORDINATES WJ804936. PARTIALLY SECURED SITE ON WEST BANK OF SUDI CAT (RIVER) CONTAINS 2 ADMINISTRATIVE, 22 STORAGE, AND APPROXIMATELY 5 SUPPORT BUILDINGS.  [REDACTED]	2139N 10547E	0616		335
MAO KHE AREA, STORAGE SITES .6 NM NE OF MAO KHE AT UTM COORDINATES	2104N 10636E	0616		309

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<p>XJ668330. TWO STORAGE SITES CONTAIN A TOTAL OF 59 WAREHOUSES AND 11 SUPPORT BUILDINGS.</p>				
<p>SEPT PAGODES AREA, BARRACKS AND STORAGE AREA .6 NM ENE OF SEPT PAGODES AT UTM COORDINATES XJ635233. BARRACKS AND STORAGE AREA CONTAINS 3 LARGE WAREHOUSES, ONE SMALLER WAREHOUSE, AND APPROXIMATELY 25 STORAGE/SHOP BUILDINGS.</p>	2106N 10618E	0616		302
<p>CAM LY AREA, STORAGE AREA APPROXIMATELY 3 NM ESE OF CAM LY AT UTM COORDINATES XJ455470. ROAD-SERVED PROBABLE EXPLOSIVES STORAGE AREA WITH 12 BUILDINGS (SOME REVETTED) OBSERVED. NO SECURITY MEASURES OBSERVED. OBLIQUITY PRECLUDES FURTHER INTERPRETATION.</p>	2113N 10623E	0616		496
<p>PHU LANG THUONG, POL STORAGE AREA SOUTH EDGE OF PHU LANG THUONG ON EAST BANK OF SONG THUONG (RIVER). ROAD, RAIL, AND WATER-SERVED WALLED AREA, APPROXIMATELY 4 ACRES IN AREA, CONTAINS 5 LARGE AND 3 SMALLER CYLINDRICAL STORAGE TANKS, 4 VERY SMALL, PROBABLY VERTICAL AND CYLINDRICAL STORAGE TANKS, AND APPROXIMATELY 10 SUPPORT BUILDINGS.</p>	2116N 10612E	0616		238-F
<p>LANG NAC AREA, POSSIBLE MILITARY STORAGE AREA 1.2 NM SW OF LANG NAC ON SOUTH SIDE OF</p>	2140N 10636E	0616		495

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ROUTE 1. ROAD-SERVED, SECURED STORAGE AREA CONTAINS APPROXIMATELY 30 STORAGE-TYPE AND SEVERAL SUPPORT BUILDINGS. SCATTERED CLOUDS PRECLUDE FURTHER INTERPRETATION. [REDACTED]				
<u>URBAN COMPLEXES</u>				
HAIPHONG COMPLEX COMPLEX APPROXIMATELY 30 PER CENT CLOUD COVERED. COMPLEX INCLUDES EXTENSIVE DOCKING FACILITIES, NAVAL BASE, NUMEROUS LIGHT INDUSTRIES, POL STORAGE, AND BARRACKS AREAS. NO UNUSUAL ACTIVITY OBSERVED IN CLOUD-FREE AREAS. VESSELS -- 3 POSSIBLE SWATOW-CLASS MOTOR GUNBOATS AT NAVAL FACILITY, 6 FREIGHTERS AT WHARVES, AND 4 FREIGHTERS IN CHANNEL. [REDACTED]	2052N 10641E	0616	[REDACTED]	109
HANOI COMPLEX COMPLEX 60 PER CENT OBSCURED BY CLOUDS AND HAZE. MAJOR INDUSTRIAL, COMMERCIAL, AND TRANSPORTATION CENTER, APPROXIMATELY 12 SQ MI IN AREA, INCLUDES NUMEROUS LIGHT INDUSTRIAL PLANTS, SEVERAL MILITARY CAMPS, RAILROAD YARDS AND SHOPS, AND STORAGE AREAS. [REDACTED]	2101N 10551E	0616	[REDACTED]	112

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VIET TRI COMPLEX INDUSTRIAL COMPLEX, 50 PER CENT COVERED BY SCATTERED CLOUDS AND CLOUD SHADOW, COMPRISES PROBABLE WOOD PROCESSING INDUSTRY, THERMAL ELECTRIC POWER PLANT, POL STORAGE AREA, RAILROAD YARD, SEVERAL MINOR INDUSTRIES, AND SEVERAL BARRACKS AREAS, INCLUDING ONE WITH 15 BUILDINGS ON NW EDGE OF COMPLEX. OCCUPIED 8-GUN HEAVY AAA POSITION OBSERVED ON NORTH EDGE OF COMPLEX AT UTM COORDINATES WJ442568.	2118N 10526E	0616		262
VINH YEN COMPLEX COMPLEX 90 PER CENT OBSCURED BY HEAVY CLOUDS AND HAZE, PRECLUDING DETAILED ANALYSIS. HOWEVER, PROBABLE MILITARY CAMP REPORTED IN AS BEING EAST OF COMPLEX IS ACTUALLY NORTH OF COMPLEX.	2118N 10535E	0616		241-B
PHU LANG THUONG COMPLEX COMPLEX, COMMERCIAL CENTER ON THE HANOI-LANG SON RAILROAD LINE, COMPRISES RAILROAD CLASSIFICATION YARD (4 TRACKS, 1,600 FT LONG), SEVERAL SMALL INDUSTRIES, MILITARY BARRACKS, POL STORAGE SITE AT SOUTH EDGE, AND LARGE UNIDENTIFIED INDUSTRIAL PLANT UNDER CONSTRUCTION AT NORTH EDGE.	2117N 10612E	0616		238
LANG SON COMPLEX RAILROAD CLASSIFICATION YARD, SEVERAL SMALL BARRACKS, AND ADMINISTRATIVE AND STORAGE AREAS	2150N 10645E	0616		119

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OBSERVED IN CLOUD-FREE AREAS OF COMPLEX.  
SCATTERED CLOUDS AND CLOUD SHADOW PRECLUDE  
FURTHER INTERPRETATION.

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APPENDIX  
EXPLANATION OF COLUMN HEADINGS  
AND PHOTO REFERENCES

COLUMN HEADINGS

City, Installation -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. Where appropriate, the city and installation names are followed by a capsule description.

Coordinates -- Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

WAC -- This column provides the World Aeronautical Chart number for the area in which the subject installation lies.

Installation Numbers -- This column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the target. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is an NPIC target number 0615-1 and an NPIC target number 0616-1. In each instance, the NPIC installation number is 1, but the installations appear on different WACs.

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#### PHOTO REFERENCE DATA

The photo reference indicates frame(s) on which the target appears.

#### CONDITIONS AFFECTING PHOTOGRAPHY

Following the photo reference data, symbols indicate conditions which affect the appearance of the target on the photography. The symbols are as follows: C (clear), SC (scattered clouds), HC (heavy clouds), H (haze), CS (cloud shadow), D (darkness), SD (semidarkness), O (obliquity), S (snow), and PQ (poor image quality).

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